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August 31, 2005

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Art Unit 1614

Mail Stop Amendment

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Utility Patent Application

Application No. 10/814,633; Filed: April 1, 2004 For: Solution Based Methacholine Formulations

Inventor:

Van Hung Truong

Our Ref:

2201.0020000/RWE

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. Information Disclosure Statement;
- 2. Form PTO/SB/08A (1 sheet);
- 3. Form PTO/SB/08B (2 sheets) and accompanying (17) references; and
- 4. Return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Sterne, Kessler, Goldstein & Fox PLLC. : 1100 New York Avenue, NW : Washington, DC 20005 : 202.371.2600 f 202.371.2540 : www.skqf.com

Commissioner for Patents August 31, 2005 Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Robert W. Esmond Attorney for Applicant Registration No. 32,893

RWE/dab 438686\_1.DOC Enclosures



In re application of:

Van Hung Truong

Appl. No.: 10/814,633

Filed: April 1, 2004

For: Solution Based Methacholine

**Formulations** 

Confirmation No.: 7438

Art Unit: 1614

Examiner: (to be assigned)

Atty. Docket: 2201.0020000/RWE

## Information Disclosure Statement

Mail Stop Amendment

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Listed on accompanying IDS Forms are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. Copies of documents NPL1-NPL17 are submitted. However, no copy of the cited U.S. patent is provided.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicant has listed publication dates on the attached IDS Forms based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicant reserves the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Information Disclosure Statement is being filed within three months of the date of filing of a national application other than a continued prosecution application or before the mailing date of a first Office Action on the merits. No statement or fee is required.

Documents NPL3-NPL5, NPL9, NPL13 and NPL15-NPL17 were cited in a search report by a foreign patent office in a counterpart foreign application. The search report is cited herein as Document NPL10 and a copy thereof is provided. Submission of an English language version of the search report that indicates the degree of relevance found by the foreign office is provided in satisfaction of the requirement for a concise explanation of relevance. 1138 OG 37, 38.

It is respectfully requested that the Examiner initial and return a copy of the enclosed IDS Forms, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Robert W. Esmond Attorney for Applicant Registration No. 32,893

Date: August 31, 2005

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

of

TO THE BEAR

Substitute for

Sheet

(Use as many sheets as necessary)

1

Complete if Known				
Application Number	10/814,633			
Filing Date	April 1, 2004			
First Named Inventor	Van Hung Truong			
Art Unit	1614			
Examiner Name	(to be assigned)			
Attorney Docket Number	2201.0020000/RWE			

			U.S. PATENT DO	DCUMENTS		
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines,	
Initials*	No.1	Number-Kind Code <sup>2 (If Known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
	US1	2,040,145	05-12-1936	Major, R.T. et al.		
	US2					
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where	
		Country Code <sup>3</sup> Nurriber <sup>4</sup> Kind Code <sup>3</sup> (if known)			Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	FP1					
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	FP6					
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	FP8					
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English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO				Complete if Known		
				Application Number	10/814,633	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Filing Date	April 1, 2004			
		First Named Inventor	Van Hung Truong			
		Art Unit	1614			
				Examiner Name	(to be assigned)	
Sheet	1	of	2	Attorney Docket Number	2201.0020000/RWE	

		NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published	T <sup>2</sup>		
	NPL1 Acar, V. et al., "Stability of stored methacholine solutions: study of hydrolysis kinetic by IP-LC," J. Pharmaeut. Biomed. Anal. 25:861-869 (2001)				
	NPL2	American Thoracic Society: "Guidelines for Methacholine and Exercise Challenge Testing - 1999," Am. J. Respir. Crit. Care Med. 161:309-329 (2000)			
	NPL3	Amersham Biosciences. "Reverse Phase Chromatography: Principles and Methods"; Chapter 3, "Methods"; pp. 41-56. Published February 1999 (Document available on internet at http://www.ls.huji.ac.il/-purification/PDF/ReversePhase/AmershamRPCManual.pdf)			
	NPL4	Asmus, M.J. et al., "Stability of Frozen Methacholine Solutions in Unit-Dose Syringes for Bronchoprovocation," CHEST 121:1634-1637 (May 2002)			
	NPL5	Boehm, J.J. et al., "Shelf life of unrefrigerated succinylcholine chloride injection," Am. J. Hosp. Pharm. 41:300-302 (1984)			
	NPL6	Cockroft, D.W. et al., "Bronchial reactivity to inhaled histamine: a method and clinical survey," Clin. Allergy 7:235-243 (1977)	,		
	NPL7	Cockroft, D.W. et al., "Determination of Histamine PC <sub>20</sub> : Comparison of Linear and Logarithmic Interpolation," CHEST 84:505-506 (1983)			
•	NPL8	Hargreave, F.E. et al., "Bronchial responsiveness to histamine or methacholine in asthma: measurement and clinical significance," J. Allergy Clin. Immunol. 68:347-355 (1981)			
	NPL9	Hayes, R.D. et al., "Stability of methacholine chloride solutions under different storage conditions over a 9 month period," Eur. Respir. J. 11:946-948 (1998)			
	NPL10	International Search Report for corresponding International Application No. PCT/CA2005/000496, filed April 1, 2005, five pages, Canadian Intellectual Property Office, mailed July 19, 2005			

Examiner	Date	
Signature	Considered	

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Substitute for form 1449/PTO			TRADEMBER		mplete if Known
				Application Number	10/814,633
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	April 1, 2004		
		First Named Inventor	Van Hung Truong		
(U	lse as many	sheets a	s necessary)	Art Unit	1614
				Examiner Name	(to be assigned)
Sheet	2	of	2	Attorney Docket Number	2201.0020000/RWE

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T <sup>2</sup>
	NPL11	Juniper, E.F. et al., "Histamine and Methacholine Inhalation Tests: Tidal Breathing Method, Laboratory Procedure and Standardisation," 52 pages, Canadian Thoracic Society, Astra Draco AB, Lund, Sweden (1994)	
	NPL12	Rosenfeld, J. et al., "Gas chromatographic determination of methylcholine chloride in pharmaceutical preparations," J. Chromatog. 287:433-437 (1984)	
	NPL13	van der Schans, M.J. et al., "Quality control of histamine and methacholine in diagnostic solutions with capillary electrophoresis," J. Chromatog. A 735:387-393 (1996)	
	NPL14	Wanger, J.S. et al., "The Stability of Reconstituted Commercial Methacholine (Provocholine®)," American Thoracic Society International Annual Meeting held in Seattle, Washington, May16-21, 2003. A046 [Poster E32]	
	NPL15	Watson, B.L. et al., "Effect of pH on the stability of methacholine chloride in solution," Respir. Med. 92:588-592 (1998)	
	NPL16	(Website) "Practical Engineering Data & Tools for Medical Device Professionals: Selecting a Sterilization Method," 4 pages, Sungate Technologies Incorporated (2001). Available at http://www.engineeringreference.com/Sterlization/select%20sterilization.htm	
	NPL17	Woodman, T.F. et al., "Determination of Methacholine Chloride by Ion-Pair High-Pressure Liquid Chromatography," J. Liquid Chromatog. 5:1341-1348 (1982)	
	NPL18		
	NPL19		

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Examiner	Date	
Signature	Considered	

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